



# PRODUCT DATA

**Brand Name:**

**LO-ERODE® GM**

**Description:** LO-ERODE® GM is an economical, highly effective, abrasion and erosion resistant low iron gunning mix for service temperatures up to 2400°F. When properly gunned, it produces rugged monolithic linings with good volume stability.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 2400°F (1316°C)**

**Bulk Density (pcf)**

Gunning Data

After 220°F (104°C)	135 - 139	(2.16 - 2.23 g/cm <sup>3</sup> )
After 1500°F (815°C)	126 - 130	(2.02 - 2.08 g/cm <sup>3</sup> )
After 2400°F (1316°C)	130 - 135	(2.08 - 2.16 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 220°F (104°C)	4700 - 7400	(329 - 518 kg/cm <sup>2</sup> )
After 1500°F (815°C)	4000 - 7900	(280 - 553 kg/cm <sup>2</sup> )
After 2400°F (1316°C)	6400 - 7300	(448 - 511 kg/cm <sup>2</sup> )

**Modulus of Rupture (psi)**

After 220°F (104°C)	1300 - 1900	(91 - 133 kg/cm <sup>2</sup> )
After 1500°F (815°C)	1100 - 1600	(77 - 112 kg/cm <sup>2</sup> )
After 2400°F (1316°C)	2200 - 2400	(154 - 168 kg/cm <sup>2</sup> )

**Permanent Linear Change (%)**

After 1500°F (815°C)	-0.1 to -0.2
After 2400°F (1316°C)	-1.0 to -1.4

**Thermal Conductivity (K Factor)**

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
1500°F (815°C)	8.1	1.17
2000°F (1093°C)	8.3	1.20

**Erosion Loss (ASTM C-704 Method)**

At 2000°F (1093°C)	10 - 14 cc	(typical)
--------------------	------------	-----------

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	57.9
Silica (SiO <sub>2</sub> ) .....	32.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Titania (TiO <sub>2</sub> ) .....	1.4
Lime (CaO) .....	6.7
Magnesia (MgO) .....	0.2
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.6

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0969

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/07/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.